Clarion®

Owner's manual & Installation manual
Mode d'emploi et manuel d'installation
Manual de instrucciones y de instalación

CZ200

CD/USB/MP3/WMA RECEIVER
LECTEUR CD/USB/MP3/WMA
RECEPTOR CD/USB/MP3/WMA

English

CLARION PRODUCT REGISTRATION INFORMATION

For USA and Canada only
www.clarion.com

Dear Customer:

Congratulations on your purchase of a Clarion mobile electronic products. We are confident that you'll enjoy your Clarion experience.

There are many benefits to registering your product. We invite you to visit our website at **www.clarion.com** to register your Clarion product.

We have made product registration simple with our easy to use website. The registration form is short and easy to complete. Once you're registered, we can keep you informed of important product information.

Register at **www.clarion.com** - it's easy to keep your Clarion product up to date.

INFORMATIONS DE L'ENREGISTREMENT DE PRODUITS CLARION

Pour les États Unis et le Canada seulement
www.clarion.com

Cher client:

Nous vous remercions d'avoir acheté ce produit électronique mobile Clarion. Nous sommes confiants que vous apprécierez votre expérience Clarion.

Il y a beaucoup d'avantage à enregistrer votre produits. Nous vous invitons à visiter notre site Web **www.clarion.com** pour enregistrer votre produit Clarion.

Nous avons facilité la tache d'enregistrement de produit simple et facile grâce à notre site Web. Le formulaire d'enregistrement est court et facile à compléter. Lorsque vous êtes enregistrer, nous pouvons vous tenir informé des informations important de produits.

Enregistrer à **www.clarion.com** - c'est facile de mettre à jour votre produit Clarion.

INFORMACIÓN DEL REGISTRO DE PRODUCT O DE CLARION

Para USA y Canada nomas
www.clarion.com

Querido Cliente:

Felicitaciones por su compra de producto electrónico móvil de Clarion. Estamos seguros que usted gozará de su experiencia con el producto de Clarion.

Hay muchas ventajas al registrar su producto. Le invitamos a que visite nuestro sitio en internet **www.clarion.com** para registrar su producto de Clarion.

Hemos hecho el registro de producto fácil en nuestro sitio. La forma de registro es corta y fácil de completar. Una vez que lo registre, podremos proporcionarle la información de su producto.

Registrese en **www.clarion.com** - es fácil mantener su producto de Clarion actualizado.

Contents

English

Thank you for purchasing this Clarion product.
• Please fully read this owner's manual before operating this equipment.
• Check the contents of the enclosed warranty card and store it in a safe place with this manual.

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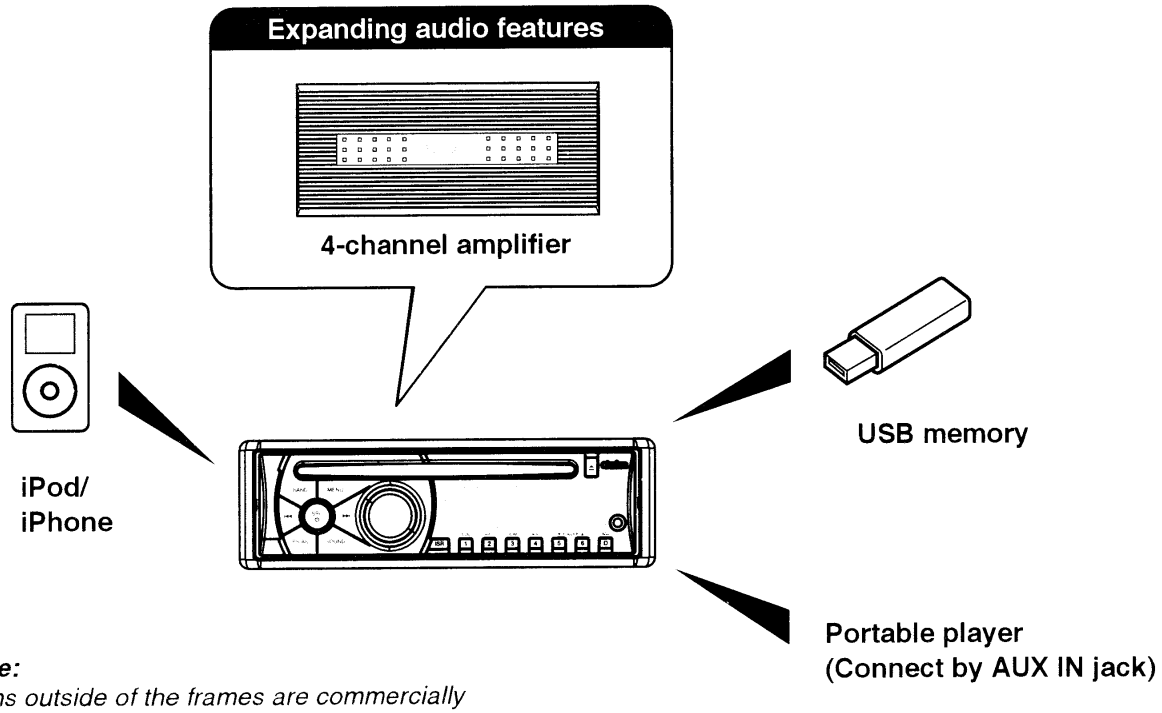
- ***Compatible with iPod®/iPhone™ via USB***
- ***4ch/2V RCA Output with Subwoofer Control and BEAT-EQ with 3 Band Parametric Equalizer***
- ***Detachable Front Panel with 3.5 mm Auxiliary Input***
- ***MP3/WMA compatible with ID3-TAG display***

Expanding Systems



Note:
Items outside of the frames are commercially available.

⚠ WARNING

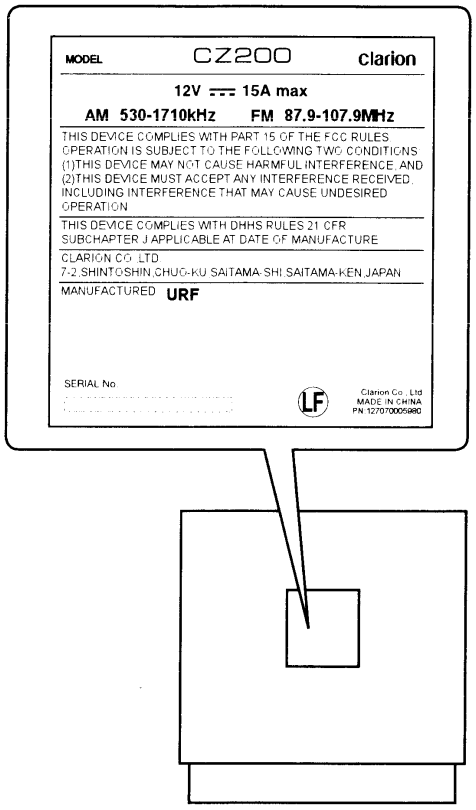
For your safety, the driver should not operate the controls while driving.
Also, while driving, keep the volume to a level at which external sounds can be heard.

1. When the inside of the car is very cold and the player is used soon after switching on the heater, moisture may form on the disc or the optical parts of the player and proper playback may not be possible. If moisture forms on the disc, wipe it off with a soft cloth. If moisture forms on the optical parts of the player, do not use the player for about one hour. The condensation will disappear naturally allowing normal operation.

2. Vibrations resulting from driving on bumpy roads may cause the sound to skip.

3. This unit uses a precision mechanism. Even in the event that trouble arises, never open the case, disassemble the unit, or lubricate the rotating parts.

4. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.
   These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to consult the dealer or an experienced radio/TV technician for help.


MODEL
CZ200
Clarion
12V ⎓ 15A max
AM 530-1710kHz FM 87.9-107.9MHz
THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES
OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS
(1)THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND
(2)THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED,
INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRED
OPERATION
THIS DEVICE COMPLIES WITH DHHS RULES 21 CFR
SUBCHAPTER J APPLICABLE AT DATE OF MANUFACTURE
CLARION CO., LTD.
7-2,SHINTOSHIN,CHUO-KU,SAITAMA-SHI,SAITAMA-KEN,JAPAN
MANUFACTURED URF
SERIAL No.
LF
Clarion Co., Ltd
MADE IN CHINA

INFORMATION FOR USERS:

CHANGES OR MODIFICATIONS TO THIS PRODUCT NOTAPPROVED BY THE MANUFACTURER WILL VOID THE WARRANTY AND WILL VIOLATE FCC APPROVAL.

English

Front Panel

For a longer service life, be sure to read the following cautions.

- Do not allow any liquids on the set. Doing so may damage the internal circuitry.
- Do not disassemble or modify the set in any way. Doing so may result in damage.
- Do not let cigarettes burn the display. Doing so may damage or deform the body.
- If a problem should occur, have the set inspected at your store of purchase.
- The remote control unit may not work if the remote control sensor is exposed to direct sunlight.

Cleaning the body

Use a soft, dry cloth and gently wipe off the dirt.

For tough dirt, apply some neutral detergent diluted in water to a soft cloth, wipe off the dirt gently, then wipe again with a dry cloth.

Do not use benzene, thinner, car cleaner, etc., as these substances may damage the body or cause the paint to peel. Also, leaving rubber or plastic products in contact with the body for long periods of time may cause stains.

About the Registered Marks, etc.

- "Made for iPod" means that an electronic accessory has been designed to connect specifically to iPod and has been certified by the developer to meet Apple performance standards.
  "Works with iPhone" means that an electronic accessory has been designed to connect specifically to iPhone and has been certified by the developer to meet Apple performance standards.
  Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards.
  iPod is a trademark of Apple Inc., registered in the U.S. and other countries.
  iPhone is a trademark of Apple Inc.
- ©2009 SIRIUS XM Radio Inc., SIRIUS, XM and all related marks and logos are trademarks of SIRIUS XM Radio Inc. and its subsidiaries.
  All other marks, channel names and logos are the property of their respective owners.

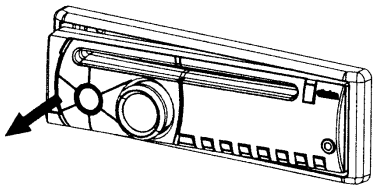
USB Port

- When a USB memory stick is used, it may stick out presenting the possibility of injury. Use a USB extension cable to prevent this hazard.
- The USB memory sticks must be recognized as "USB mass storage class" to work properly. Some models may not operate correctly.
  Clarion will not be held liable in the unlikely event of loss of or damage to memorized data.
  When using an USB memory stick, we recommend that you backup your data on a personal computer.
- Data files may be lost or become corrupted when using USB memory sticks in the following situations: When the USB memory stick is disconnected or the power is turned off during data read or write.
  When affected by static electricity or electric noise.
  When the USB memory stick is connected or disconnected while the contents are being accessed.
- Some USB memory sticks cannot be inserted to the main unit because of their shape. In such cases, use a commercial USB extension cable to connect them.
- Connection to a computer is not supported.
- Music files (MP3, WMA, etc.) stored in the USB memory stick cannot be played back.

Remove the DCP

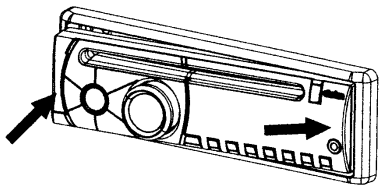
The control panel can be detached to prevent theft. When detached, keep it in a safe place where it will not be subject to scratches.
We recommend taking the DCP with you when leaving the car.

1. Press the [⏻] button (2 sec.) to turn off the power.
2. Depress the [**OPEN**] button to unlock the DCP.
3. Grab the edge that pops out and remove the DCP.



Re-attach the DCP

1. Hold the DCP and ensure that the panel faces towards you. Set the right side of the DCP into the DCP bracket.
2 Press the left side of the DCP until it locks.



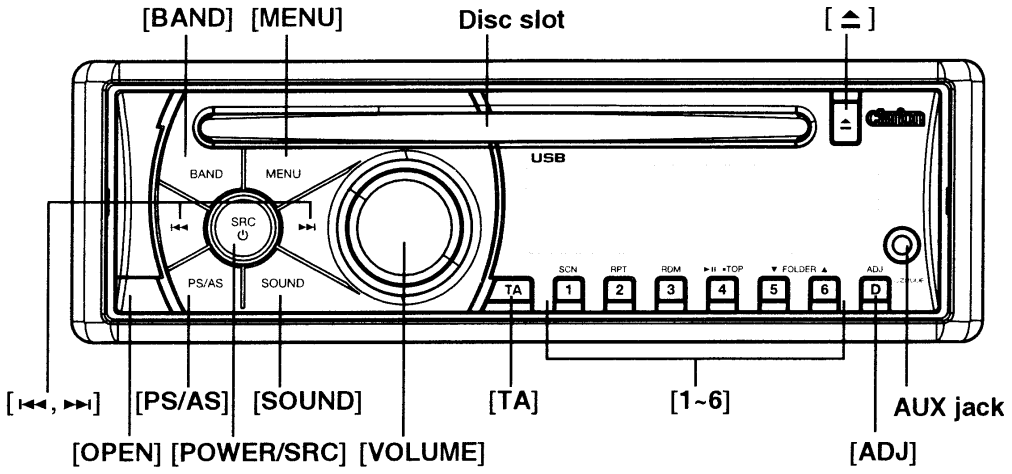
⚠ CAUTION

- The DCP can easily be damaged by shocks. After removing it, be carefully not to drop it or subject it to strong shocks.
- Once the [**OPEN**] button is pressed and DCP is unlocked, car vibrations can cause the DCP to fall.
- The connector connecting the source unit and the DCP is an extremely important part. Be careful not to damage it by pressing on it with fingernails, screwdrivers, or other hard objects.

Note:
If the DCP is dirty, wipe off the dirt with a soft, dry cloth only.

English

Operational Panel



Names of Buttons

[⏻ / SRC] button
- Power/Toggle the audio source

[BAND] button
- Select tuner band

[MENU] button
- System menu

[⏏] button
- Eject the disc in the unit.

[⏮ , ⏭] button
- Previous (Next)/Search

[OPEN] button
- Unlock the front panel.

[PS / AS] button
- Preset scan/Auto memory store

[SOUND] button
- Sound effect setting

[VOLUME] knob
- Adjust volume level/Confirm

[ISR] button
- Recall ISR station stored in memory and store current station in ISR memory (long press)

[1–6] button
- [1] button: Scan play/Preset station 1.
- [2] button: Repeat play/Preset station 2.
- [3] button: Random play/Preset station 3.
- [4] button: Play/Pause/Top play (long press)/Preset station 4.
- [5] button: Previous folder/Preset station 5.
  10 tracks down (long press)
- [6] button: Next folder/Preset station 6.
  10 tracks up (long press)

[ADJ] button
- Display switch/System menu

Remote Control

[POWER/SRC] button
- Toggle the audio source/Power on/ Power off (long press)

[I◄◄ , ►►I] button
- Preset station up/down/Previous/ next track/Search (long press)

[SCN/PS/AS] button
- Scan play/Preset scan/Auto memory store

[BND/TOP] button
- Select tuner band/Top play (long press)

[▲ , ▼] button
- Volume up/down

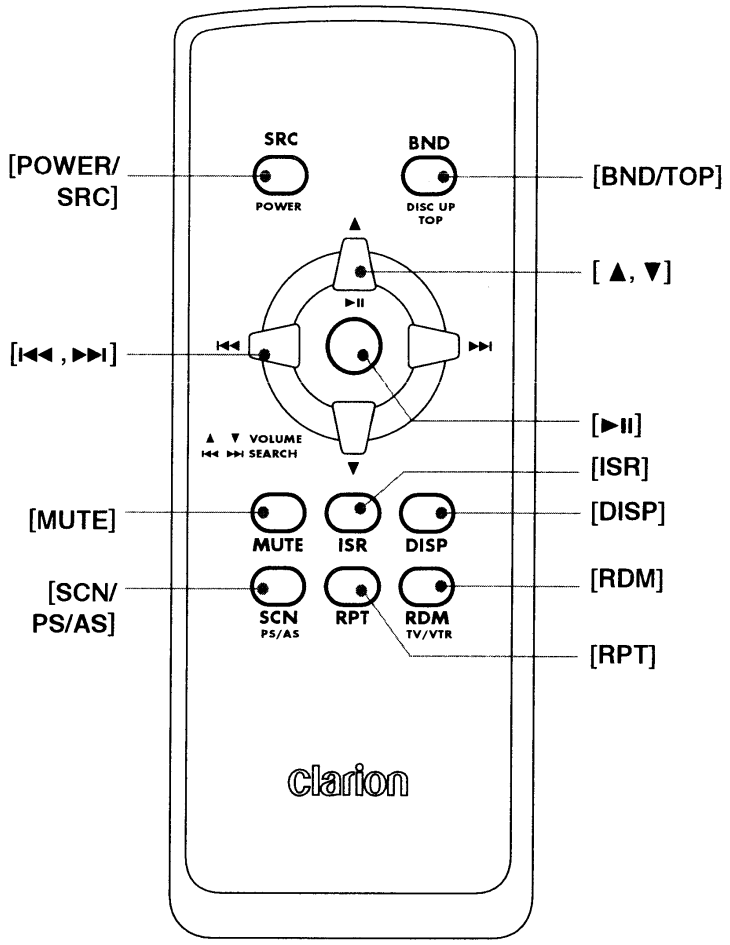
[►II] button
- Play/Pause

[ISR] button
- Recall ISR station stored in memory and store current station in ISR memory (long press)

[DISP] button
- Display switch

[RDM] button
- Random play

[RPT] button
- Repeat play

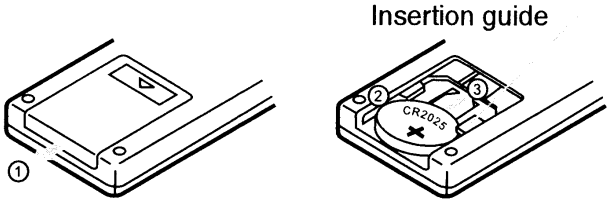


Using the Remote Control

1. Aim the remote control at the remote sensor on the unit.
2. Remove the battery from the remote control or insert a battery insulator if the battery has not been used for a month or longer.
3. DO NOT store the remote control under direct sunlight or in high temperature environment, or it may not function properly.
4. Use button shaped lithium battery CR2025 (3 V) only.
5. DO NOT recharge, disassemble, heat or expose the battery to fire.
6. Insert the battery in proper direction according to the (+) and (-) poles.
7. Store the battery in a place where children cannot reach to avoid the risk of accident.

Inserting the battery

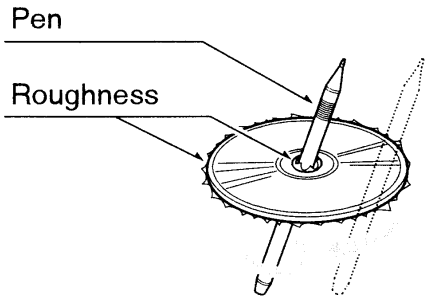
1. Slide remote control unit's rear cover in the direction shown.
2. Insert battery (CR2025) into insertion guides with printed side (+) up.
3. Press battery into compartment as shown.
4. Replace and slide cover until it clicks into place.



Handling Discs

Handling

- New discs may have some roughness around the edges. If such discs are used, the player may not work or the sound may skip. Use a pen or similar tool to remove any roughness from the edge of the disc.



- Never stick labels on the surface of the disc or mark the surface with a pencil or pen.
- Never play a disc with any cellophane tape or other glue on it or with peeling off marks. If you try to play such a disc, you may not be able to get it back out of the player or it may damage the player.
- Do not use discs that have large scratches, are misshapen, cracked, etc. Use of such discs may cause misoperation or damage.
- To remove a disc from its storage case, press down on the center of the case and lift the disc out, holding it carefully by the edges.
- Do not use commercially available disc protection sheets or discs equipped with stabilizers, etc. These may damage the disc or cause breakdown of the internal mechanism.

Storage

- Do not expose discs to direct sunlight or any heat source.
- Do not expose discs to excess humidity or dust.
- Do not expose discs to direct heat from heaters.

Cleaning

- To remove fingermarks and dust, use a soft cloth and wipe in a straight line from the center of the disc to the outer edge.
- Do not use any solvents, such as commercially available cleaners, anti-static spray, or thinner to clean discs.
- After using special disc cleaner, let the disc dry off well before playing it.

On discs

- Exercise a good precaution when loading a disc. The operation panel will close automatically when leaving it open for a while.
- Never turn off the power and remove the unit from the car with a disc loaded.

⚠ CAUTION

For your safety, the driver should not insert or eject a disc, opening the operation panel while driving.

Basic Operations

Note:
Be sure to read this chapter referring to the chapter "3. CONTROLS."

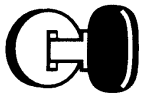
⚠ CAUTION

Before turning off the unit, return the volume to a lower level. Restarting playback with the volume at maximum increases the possibility of damage to the speakers or your hearing.

Power on/off

Notes:
- Start the engine before using this unit.
- Be careful about using this unit for a long time without running the engine. If you drain the car's battery too far, you may not be able to start the engine and this can reduce the service life of the battery.

1. Start the engine. The power button will light up.


Engine ON position

2. Press the [⏻] button on the front panel to turn on the power under standby mode. The unit goes back to the last status after power on.
3. Press and hold the [⏻] button on the front panel to turn off the power under work mode.

Mute
Press the [**MUTE**] button on the remote control to mute the volume from the unit.

Note:
Pressing the [**MUTE**] button again or adjusting volume will release muting.

Volume adjustment
Turn the [**VOLUME**] knob on the front panel or press the [▲ , ▼] button on the remote control.
The adjustable range of volume is 0 to 40.

⚠ CAUTION

While driving, keep the volume level at which external sounds can be heard.

Playing source selection
Press the [**SRC**] button on the front panel or the remote control repeatedly to choose desired playing source.

Notes:
1. Playing source selection means selecting work mode, such as DISC mode, Radio mode, Aux mode, etc.
2. When some devices are not ready, they cannot be selected.

Display system time
Press the [**ADJ**] button on the front panel or [**DISP**] button on the remote control to switch the display information, system time and playing source.

Radio Operations

Select tuner as playing source
Press the [**SRC**] button once or more to enter radio mode.

Select one radio band
Press the [**BAND**] button on the panel or [**BND**] button on the remote control to select one radio band among FM1, FM2, FM3, AM.

Manual tuning
During manual tuning, the frequency will be changed in steps.
Press the [▶▶I]/[I◀◀] button on the front panel or the remote control to tune in a higher/lower station.

Auto tuning
Press and hold the [▶▶I]/[I◀◀] button on the front panel or the remote control to seek a higher/lower station.
To stop searching, repeat the operation above or press other buttons having radio functions.

Auto store
Only stations with sufficient signal strength will be detected and stored in the memory.
Press and hold the [**PS/AS**] (2 sec.) to start automatic station search.
To stop auto store, press other keys having radio functions.

Notes:
1. After auto store, the previous stored stations will be overwritten.
2. The unit has four bands: FM1, FM2, FM3 and AM. FM3 and AM can store by AS function. Each bands can store six stations, CZ200 can store 24 stations in total.

Manual store
While tuned into a desired radio station, press and hold number button 1–6 to store it in the memory.

Recall the stored stations
Press one numeric button among 1 to 6 on the panel to select the corresponding stored station.

Local seeking
When LOCAL seeking is on, only those radio stations with strong radio signal can be received.
Press and hold the [**ADJ**] button on the front panel, then press [▶▶I] button repeatedly until LO or DX displays on the screen, and rotate the knob to select Local or Distant mode.

Note:
The number of radio stations that can be received will decrease after the local seeking mode is on.

Preset scan
Preset scan receives the stations stored in preset memory in order. This function is useful when searching for a desired station in memory.

1. Press the [**PS/AS**] button.
2. When a desired station is tuned in, press the [**PS/AS**] button again to continue receiving that station.

Note:
Be careful not to press and hold the [**PS/AS**] button for two seconds or longer, otherwise the auto store function is engaged and the unit starts storing stations.

This unit can play back MP3/ WMA files

Note:

If you play a file with DRM (Digital Rights Management) for WMA remaining ON, no audio is output (The WMA indicator blinks).

To disable DRM (Digital Rights Management)

When using Windows Media Player 9/10/11, click on Tool -> Options -> Copy Music tab, then under Rip settings, uncheck the Copy Protect Music box. Then recreate the files. When you disable DRM, you do so at your own responsibility.

Precautions when creating MP3/ WMA file

Usable sampling rates and bit rates

1. MP3: Sampling rate 8 kHz-48 kHz, Bit rate 8 kbps-320 kbps/VBR
2. WMA: Bit rate 8 kbps-320 kbps

File extensions

1. Always add a file extension ".MP3", ".WMA" to MP3, WMA file by using single byte letters. If you add a file extension other than specified or forget to add the file extension, the file cannot be played.
2. Files without MP3/WMA data will not play. The files will be played soundlessly if you attempt to play files without MP3/WMA data.
   * When VBR files are played, the play time on the display may differ from the actual play location.
   * When MP3/WMA files are played, there is silence between tunes.

Logical format (File system)

1. When writing MP3/WMA files on a CD-R disc or CD-RW disc, please select ISO 9660 level 1 or 2, Joliet, Romeo or Apple ISO as the writing software format. Normal play may not be possible if the disc is recorded in another format.
2. The folder name and file name can be displayed as the title during MP3/WMA play but the title must be within 64 single byte alphabetical letters and numerals (including an extension).
3. Do not affix a name to a file inside a folder having the same name.

Folder structure

A disc with a folder having more than eight hierarchical levels cannot be used.

Number of files or folders

1. Up to 999 files can be recognized per folder.
   Up to 3000 files can be played.
2. Tracks are played in the order that they were recorded onto a disc. (Tracks might not always be played in the order displayed on the PC.)
3. Some noise may occur depending on the type of encoder software used while recording.

Eject function

Just pressing the [⏏] button, ejects the disc.

Notes:

- Forcing a CD into the disc slot before auto reloading can damage the CD.
- If a CD (12 cm) is left in the ejected position for 15 seconds, the CD is automatically reloaded (Auto reload).

Listening to a disc already loaded in the unit

Press the [**SRC**] button to select the CD/ MP3/WMA mode.
When the unit enters the CD/MP3/WMA mode, play starts automatically.

Loading a CD

Insert a CD into the center of the disc slot with the labeled side facing up. The CD plays automatically after loading.

Notes:

- Never insert foreign objects into the disc slot.

CD/MP3/WMA Operations

- If the CD is not inserted easily, there may be another CD in the mechanism or the unit may require service.
- Discs not bearing the COMPACT disc DIGITAL AUDIO or COMPACT disc DIGITAL AUDIO TEXT mark and CD-ROMs cannot be played by this unit.
- Some CDs recorded in CD-R/CD-RW mode may not be usable.

Pausing play

1. Press the [**4** / ▶II] button to pause play. "PAUSE" appears in the display.
2. To resume CD play, press the [**4** / ▶II] button again.

Displaying CD titles

This unit can display title data for MP3/WMA disc.
When SCROLL is OFF, press the [**DISP**] button to change the title display.

MP3/WMA disc
FILE --> FOLDER --> TITLE/ALBUM --> ARTIST --> FILE -->

Notes:
- If MP3/WMA disc is not input TAG, "NO TITLE" appears in the display.
- Only ASCII characters can be displayed in Tags.

Selecting a track

Track-up
1. Press the [▶▶I] button to move ahead to the beginning of the next track.
2. Each time you press the [▶▶I] button, the track advances ahead to the beginning of the next track.
3. For MP3/WMA disc, press and hold the [**6**] button to move ahead 10 tracks.

Track-down
1. Press the [I◀◀] button to move back to the beginning of the current track.
2. Press the [I◀◀] button twice to move back to the beginning of the previous track.
3. For MP3/WMA disc, press and hold the [**5**] button to move back 10 tracks.

Fast-forward/Fast-reverse

Fast-forward
Press and hold the [▶▶I] button.
Fast-reverse
Press and hold the [I◀◀] button.
* For MP3/WMA discs, it takes some time until the start of searching and between tracks. In addition, the playing time may have a margin of error.

Folder select

This function allows you to select a folder containing MP3/WMA files and start playing from the first track in the folder.
1. Press the [**5**] or [**6**] button.
   Press the [**6**] button to move the next folder. Press the [**5**] button to move the previous folder.
2. To select a track, press the [I◀◀] or [▶▶I] button.

Top function

The top function resets the CD player to the first track of the disc. Press and hold the [**TOP**] button (2 sec.) to play the first track (track No. 1) on the disc.
* In case of MP3/WMA, the first track of a folder being played will be returned.

Other various play functions

Scan play
This function allows you to locate and play the first 10 seconds of all the tracks recorded on a disc.
Press the [**SCN**] button to perform scan play.
Repeat play
This function allows you to repeat playback of a track.
CD:
1. Press the [**RPT**] button once or more until "RPT ON" appears on the LCD to perform repeat play.
2. Press the [**RPT**] button again to cancel repeat playback, "RPT OFF" appears on the LCD.

MP3/WMA:
1. Press the [**RPT**] button to perform repeat play, "TRACK RPT" appears on the display, and "RPT" lights.

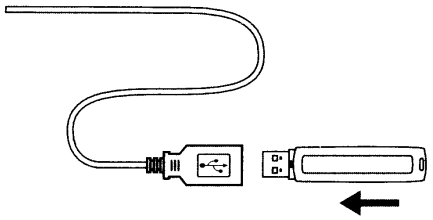
CD/MP3/WMA Operations

2. For MP3/WMA files, press the [**RPT**] button again, "FOLDER RPT" appears on the display for folder repeat play.
3. Press [**RPT**] button twice to cancel repeat playback, "RPT OFF" appears on the display, and "RPT" goes off.

Random play
This function allows you to play all tracks recorded on a disc in a random order.
Press the [**RDM**] button to perform random play.
Random play starts with the next played track when Random function is on.

USB Operations

1. Insert a USB device into the USB connector.
   When connecting a USB device, the unit will read the files automatically.
2. To remove the USB device, you should first select another source, in order to avoid damaging the USB device. Then remove the USB device.



iPod & iPhone Operations

Connect

Connect an iPod or iPhone to the USB using a USB cable.
When connecting a device, the unit will read the files automatically. The track information displays on the screen once playback starts.

MENU

Press the [**MENU**] button repeatedly to show PLAY LISTS, rotate the knob to show PLAY LISTS / ARTISTS / ALBUMS / GENRES / SONGS / COMPOSERS, press and rotate the knob to select a desired option, then press the knob to confirm.

Repeat play

This function allows you to play the current track repeatedly or play all tracks in your iPod/iPhone repeatedly.
1. Press the [**RPT**] button once or more until "TRACK RPT" appears on the LCD to perform repeat play.
2. Press the [**RPT**] button repeatedly until "ALL RPT" appears on the LCD for all tracks repeat play.
3. Press the [**RPT**] button repeatedly until "RPT OFF" appears on the LCD to cancel repeat playback.

Random play

This function allows you to play all tracks recorded on a disc in a random order.
1. Press the [**RDM**] button once or more until "SONG RDM" appears on the LCD to perform random play.
2. Press the [**RDM**] button repeatedly until "ALBUM RDM" appears on the LCD for album random play.
3. Press the [**RDM**] button repeatedly until "RDM OFF" appears on the LCD to cancel random playback.

AUX Operations

Press the [**SRC**] button on the panel or remote control to select AUX.
AUX is just for Audio content with 3.5 mm Jack connector plugged into audio-in socket on the front panel.

AUX input sensitivity setting

1. Press the [**ADJ**] button.
2. Turn the [**VOL/SEL**] knob to select "AUX MID".
3. If the output level of connected external audio player is "High", rotate [**VOL/SEL**] knob and choose "AUX LOW". And if the output level is "Low", choose "AUX HIGH".

Audio Setup

Press the [**SOUND**] button to enter sound effect setting mode. First press shows current EQ. Rotate the [**VOLUME**] knob to change the options in the following order: OFF -> B-BOOST -> IMPACT -> EXCITE -> CUSTOM

Press the [**SOUND**] button, then press [⏮ , ⏭] to select USER preset including: BALANCE -> FADER -> M-B EX -> LPF(low pass filter) -> SUBW VOL, rotate the [**VOLUME**] knob to select a value.
BALANCE: LEFT 1-7 -> CENTER -> RIGHT 1-7
FADER: LEFT 1-7 -> CENTER -> RIGHT 1-7
M-BEX: ON/OFF
LPF: THROUGH/80/120/160
SUBW VOL: (-6)-(+6)

System Setup

In the radio mode, press and hold the [**ADJ**] button to enter system MENU. Press [⏮ , ⏭] to select options, rotate the [**VOLUME**] knob to adjust.

CLOCK
Press the knob to enter clock setting mode, Rotate the knob to set clock, press [⏮] or [⏭] to select hour or minute, press and hold the knob to confirm.

DX/LO
In the radio mode, rotate the knob to choose radio local or distant.
LO: Only stations with strong signal can be received.
DX: Stations with strong and weak signals can be received.

AUX SENS
Rotate the knob to choose AUX Input sensitivity LOW, MID or HIGH at AUX mode.

SCRN SVR: ON/OFF
Rotate the knob to choose screen saver on or off.

SCROLL: ON/OFF
For track information that is longer than the display panel:
When SCROLL is ON, the LCD will display ID3 TAG information cyclely, e.g: TRACK -> FOLDER -> FILE -> ALBUM -> TITLE -> ARTIST -> TRACK ->...
When SCROLL is OFF, the LCD will display one of the ID3 TAG information, the default is TRACK, but user can adjust it to other ID3 TAG information by pressing the [**DISP**] button.

DIMMER: ON/OFF
Rotate the knob to choose dimmer on or off.
ON: The LCD is dimmed when the interior light is on.
OFF: The LCD stays at maximum brightness.

REAR/S-W
Rotate the knob to choose REAR LINE OUT or SUB-WOOFER.

TEL-SW
Rotate the knob to choose TELE-PHONE MUTE, ON or OFF.
OFF: This unit continues normal operation even when the cellular phone is used.
ON: You can listen to your telephone calls from the speakers connected to this unit.
* When listening to your calls on your car speakers, you can adjust the volume by turning the [**VOLUME**] knob.

MUTE: The sound from this unit is muted during telephone calls.

BEEP: ON/OFF
Rotate the knob to choose button beep sound on or off.

12/24H
Rotate the knob to choose time format: 12 or 24 hour.

General

Problem	Cause	Measure
Unit does not turn on.	Unit fuse blown.	Install new fuse with correct rating.
	Car battery fuse blown.	Install new fuse with correct rating.
Unit does not turn on. Nothing happens when buttons are pressed. Display is not accurate.	Illegal operation.	Turn off the power and open the operation panel. Press the Reset button with a thin rod. ***Note:*** When the Reset button is pressed, turn off the ACC power.* *When the Reset button is pressed, frequencies of radio stations, titles, etc. stored in memory are cleared.
Remote control does not work.	Battery depleted.	Change the battery.
	Battery installed incorrectly.	Install the battery correctly.
No/low audio output.	Improper audio output connection.	Check wiring and correct.
	Volume set too low.	Increase volume level.
	Speakers damaged.	Replace speakers.
	Heavily biased volume balance.	Adjust the channel balance to center position.
	Speaker wiring is in contact with metal part of car.	Insulate all speaker wiring connections.
Poor sound quality or distortion.	Non-standard disc used.	Use a standard disc.
	Speaker power rating does not match unit.	Replace speakers.
	Wrong connections.	Check wiring and correct.
	Speaker is shorted.	Check wiring and correct.
Tel-Mute malfunction.	MUTE wire is grounded.	Check the 'MUTE' wiring and correct.
Unit resets itself when engine is off.	Incorrect connection between ACC and Battery.	Check wiring and correct.

DISC player

Problem	Cause	Measure
Disc cannot be loaded.	Another disc is already loaded.	Eject the disc before loading the new one.
	There is a foreign object already in place.	Eject the foreign object forcibly.
Sound skips or is noisy.	Compact disc is dirty.	Clean the compact disc with a soft cloth.
	Compact disc is heavily scratched or warped.	Replace with a compact disc with no scratches.
Sound is bad directly after power is turned on.	Water droplets may form on the internal lens when the car is parked in a humid place.	Let dry for about one hour with the power on.

USB devices

Problem	Cause	Measure
USB device cannot be inserted.	The USB device has been inserted with wrong direction.	Reversing the connection direction of the USB device, try it again.
	The USB connector is broken.	Replace with a new USB device.
USB device is not recognized.	The USB device is damaged.	Disconnect the USB device and reconnect. If the device is still not recognized, try replacing with a different USB device.
	Connectors are loose.	
No sound heard with the display "**No File**" shown.	No MP3/WMA file is stored in the USB device.	Store these files properly in the USB device.
Sound skips or is noisy.	MP3/WMA files are not encoded properly.	Use MP3/WMA files encoded properly.

If an error occurs, one of the following errors is displayed.
Take the measures described below to solve the problem.

Display	Cause	Measure
ERROR 3	Disc is inserted incorrectly.	Eject the disc then reload it properly.
	The disc format is not supported.	Try another disc.
ERROR 5	This is a failure of deck's mechanism.	Consult your store of purchase.

If an error display other than the ones described above appears, press the Reset button. If the problem persists, turn off the power and consult your store of purchase.

* When the Reset button is pressed, frequencies of radio stations, titles, etc. stored in memory are cleared.

FM tuner

Frequency range: 87.9–107.9 MHz
Usable sensitivity: 8 dBμ
Frequency response: 30 Hz–15 kHz
Stereo separation: 30 dB (1 kHz)
Signal/noise ratio: >55 dB

AM tuner

Frequency range: 530–1,710 kHz
Usable sensitivity (S/N=20 dB): 30 dBμ

CD

System: Disc digital audio system
Frequency response: 20 Hz–20 kHz
Signal/noise ratio: >75 dB
Total harmonic distortion: Less than 0.1% (1 kHz)
Channel separation: >60 dB

MP3/WMA mode

MP3 sampling rate: 8 kHz to 48 kHz
MP3 bit rate: 8 kbps to 320 kbps / VBR
WMA bit rate: 8 kbps to 320 kbps
Logical format: ISO 9660 level 1,2
Joliet or Romeo file system

USB

Specification: USB 1.0/2.0
Playable audio format:
MP3 (.mp3): MPEG 1/2/Audio Layer-3
WMA (.wma): Ver 7/8/9.1/9.2

Audio amplifier

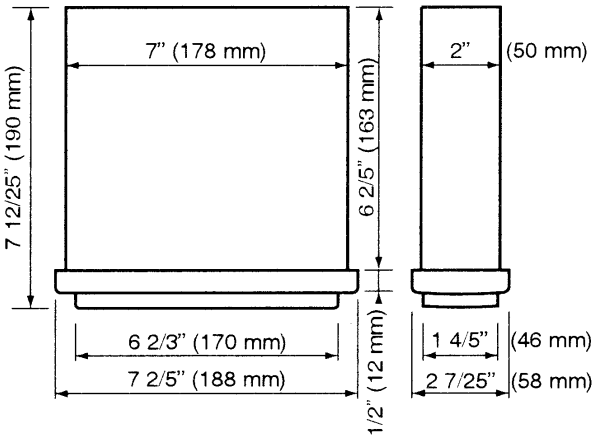
Maximum power output:
180 W (45 W × 4)
Speaker impedance: 4 Ω (4 to 8 Ω allowable)

Input

Audio input sensitivity:
High: 320 mV (at 1 V output)
Mid: 650 mV (at 1 V output)
Low: 1.3 V (at 1 V output)
(input impedance 10 kΩ or greater)
Aux-in level: ≤2 V

General

Power supply voltage:
14.4 VDC (10.8 to 15.6 V allowable), negative ground
Pre-Amp output voltage:
2.0 V (CD play mode: 1 kHz, 0 dB, 10 kΩ load)
Fuse: 15 A
Dimensions of the main unit (W × H × D):
7 2/5 × 2 7/25 × 7 12/25 in.
(188 × 58 × 190 mm)
Weight of the main unit: 2.98 lb. (1.35 kg)
Dimensions of the remote control unit (W × H × D):
1 2/3 × 2/5 × 4 2/5 in.
(43 × 11 × 113 mm)
Weight of the remote control unit:
1.16 oz. (36 g) (including battery)



Notes:

- Specifications comply with JEITA Standards.
- Specifications and design are subject to change without notice for further improvement.

Power output:
18 W × 4 Channels RMS (4 Ω at 14.4 V ≤ 1% THD+N)

Signal to noise ratio:
76 dBA (reference: 1 W into 4 Ω)

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1) Before Starting

1. This set is exclusively for use in cars with a negative ground 12 V power supply.
2. Read these instructions carefully.
3. Be sure to disconnect the battery terminal before starting. This is to prevent short circuits during installation. (Figure 1)

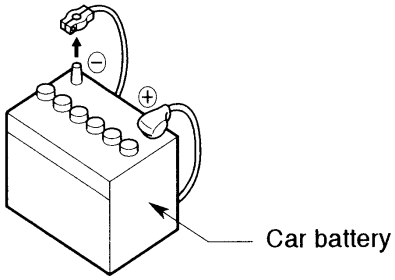


Figure 1

2) Package Contents

Source unit	1	L-key	2
Front panel	1	Wire connector	1
Trim ring	1	Remote control unit (with battery)	1
Mounting bracket	1	Owner's manual	1
Screws M5x6 mm	4	Warranty card	1

3) General Cautions

1. Do not open the case. There are no user- serviceable parts inside. If you drop anything into the unit during installation, consult your dealer or an authorized Clarion service center.
2. Use a soft, dry cloth to clean the case. Never use a rough cloth, thinner, benzine, or alcohol. For tough dirt, apply a little cold or warm water to a soft cloth and wipe off the dirt gently.

4) Cautions on Installation

1. Prepare all articles necessary for installing the source unit before starting.
2. Install the unit within 30° of horizontal. (Figure 2)

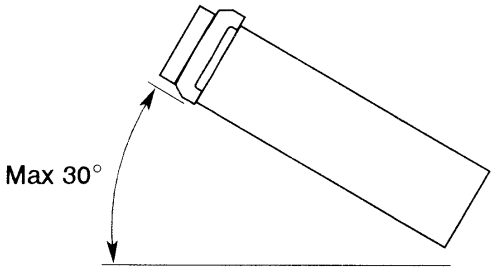


Figure 2

3. If you have to do any work on the car body, such as drilling holes, consult your car dealer beforehand.
4. Use the enclosed screws for installation. Using other screws can cause damage. (Figure 3)

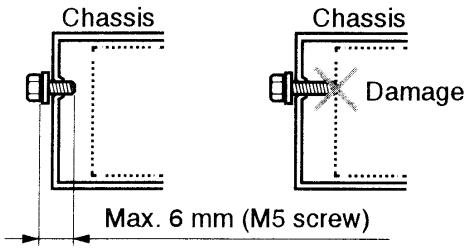


Figure 3

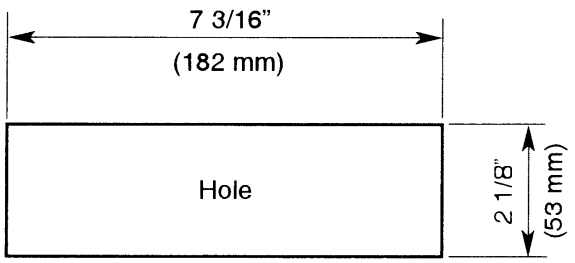
5) Installing the Source Unit

1. Place the mounting bracket into the instrument panel, use a screwdriver to bend each stopper of the universal mounting bracket inward, then secure the stopper.
2. Insert the source unit into the mounting bracket until it locks.
3. Carefully adjust all mounting tabs on the mounting bracket and confirm that the mounting tabs are securely attached.

Notes:

1. Some car models require special mounting kits for proper installation. Consult your Clarion dealer for details.
2. Fasten the front stopper securely to prevent the source unit from coming loose.

- **Console opening dimensions**



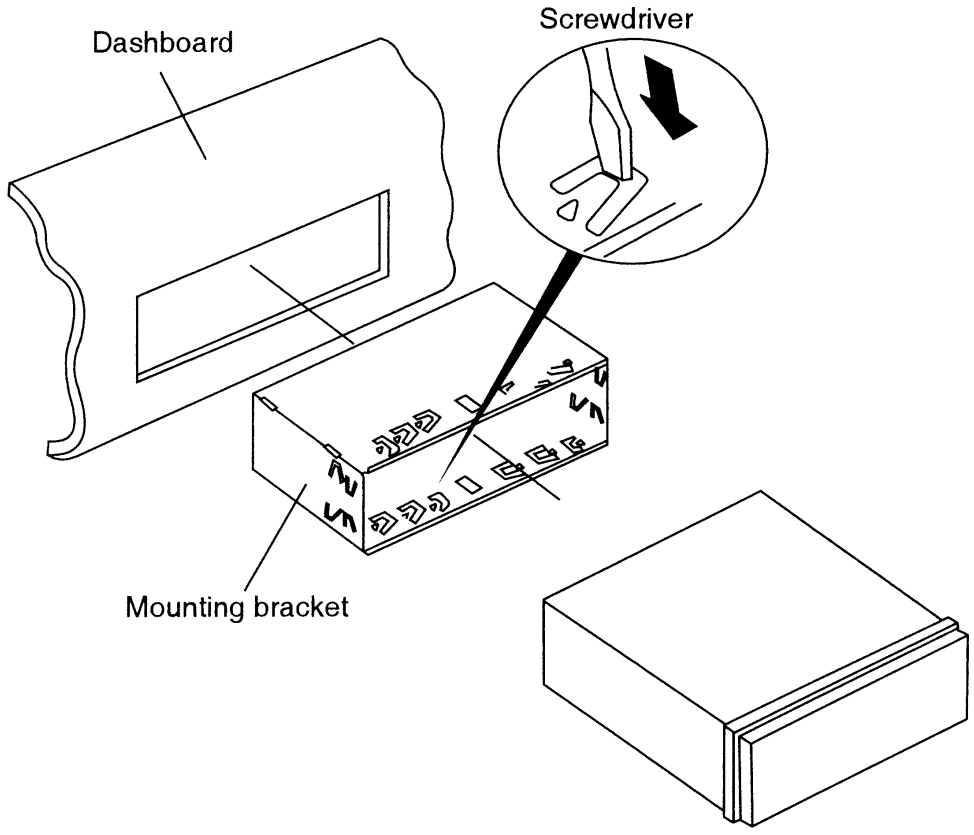
Notes on installation

1. Before installation, please make sure that all connections have been properly made and the unit operates normally. Improper connection may result in damage to the unit.
2. Use only accessories designed and manufactured for this unit. The use of other unauthorized accessories may result in damage to the unit.
3. Before installation, please fasten all power cables.
4. DO NOT install the unit where it will be exposed to heat to prevent damage to electrical components such as the laser head.
5. Install the unit horizontally. Installing the unit more than 30 degree vertically may result in degraded performance.
6. To prevent electric spark, connect the positive pole first and then the negative pole.
7. DO NOT block the cooling fan exit to ensure sufficient heating dissipation of this unit, or it may result in damage to this unit.

Unit installation

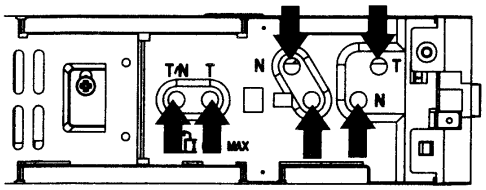
Method A

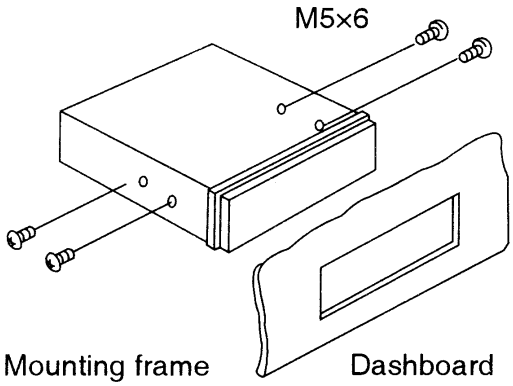
1. Insert mounting bracket into dash board, choose appropriate mounting tab according to the gap width, bending the mounting tab outwards with a screwdriver to fix the mounting bracket in place.
2. Slide the unit into the bracket until you hear a click sound.



English

Method B

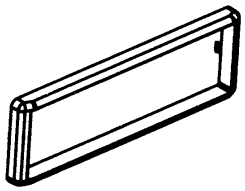




1. Insert this unit directly to the opening of the dashboard.
2. Place M5×6 cylindrical screw through the holes of the mounting frame located inside the opening to holes of the unit and fasten the screws to left & right.

Trim ring installation

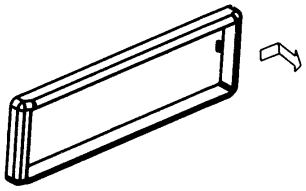
Attach the trim ring around the front panel.



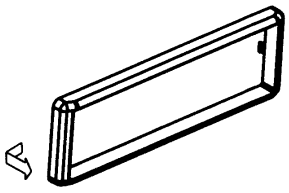
6) Removing the Source Unit

Disassemble trim ring

1. Push the trim ring to right and pull out the right part.

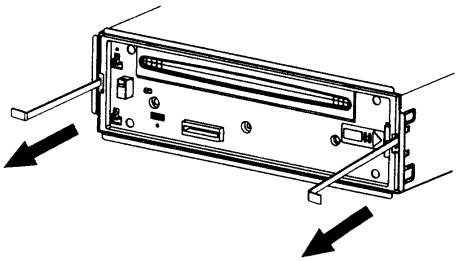


2. Push the trim ring to left and pull out the left part.



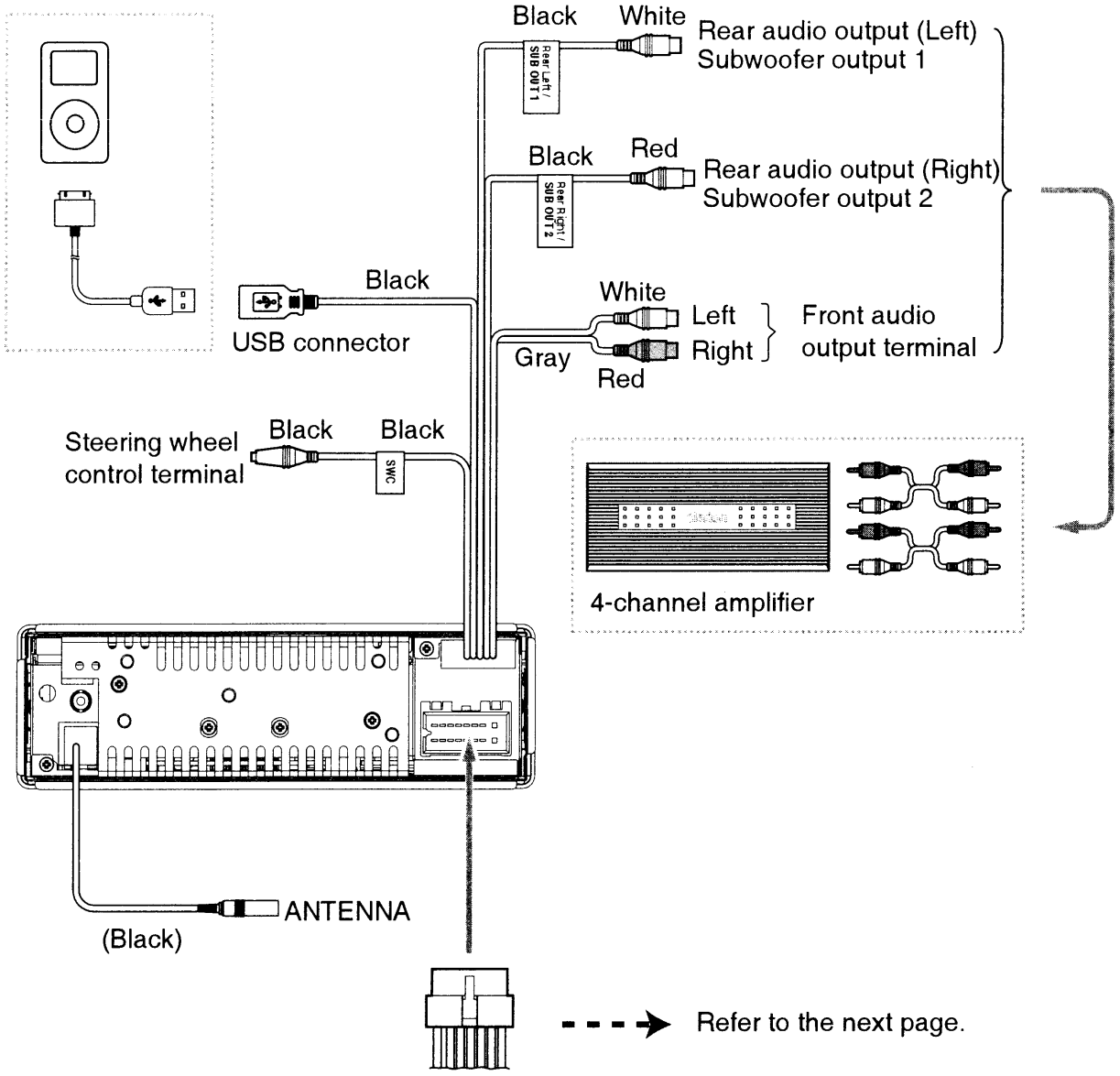
Disassemble the unit

1. Switch off the power.
2. Remove the panel.
3. Remove the trim ring.
4. Insert the removal keys straight back until they lock, then pull the unit out.



5. Disconnect all the wires.

7) Wiring and Connections



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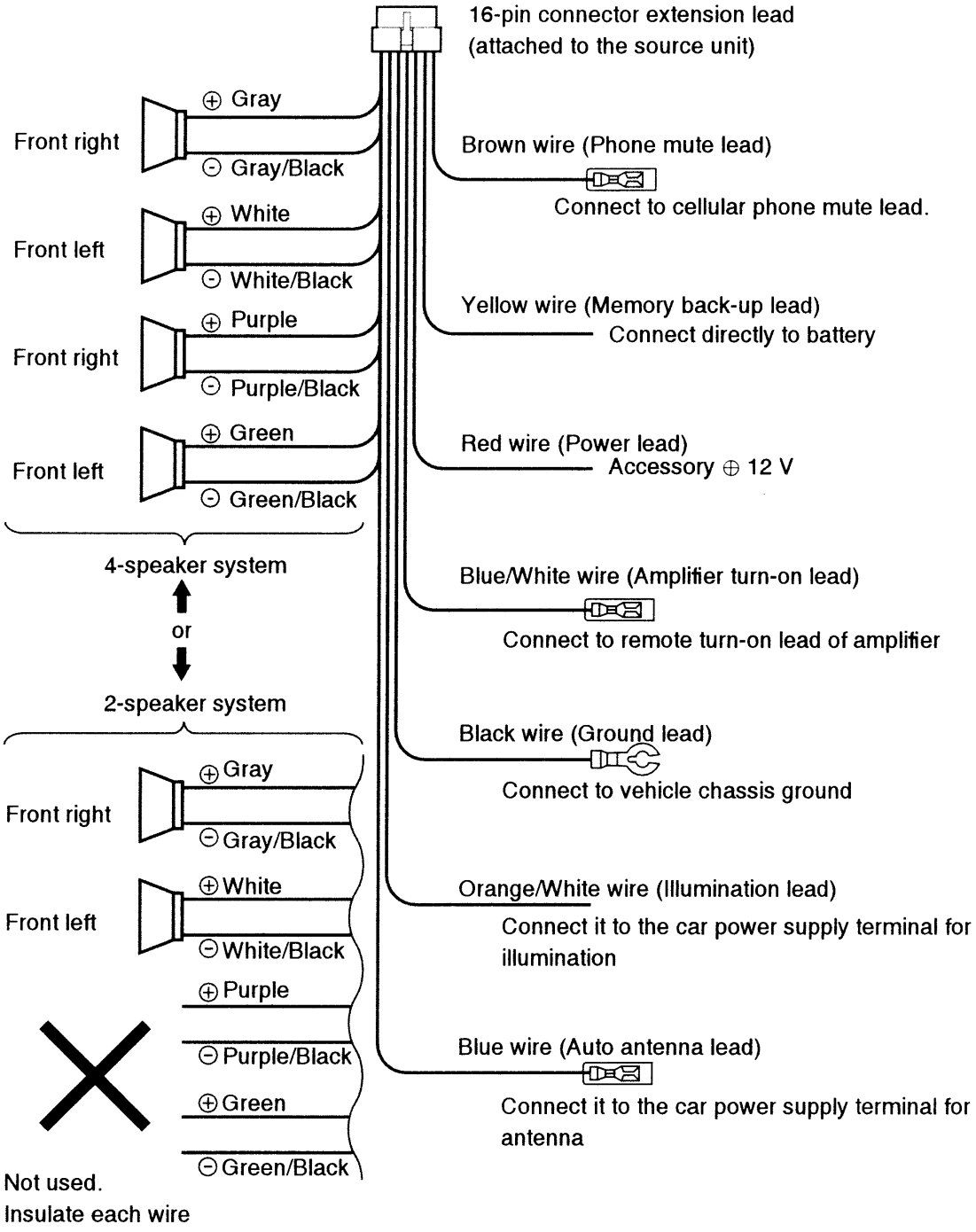

8) Connecting the Accessories

- **Connecting to the external amplifier**
  External amplifiers can be connected to the 4 channel RCA output connections. Ensure that the connectors are not grounded or shorted to prevent damage to the unit.

Clarion Co., Ltd.

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Français

Clarion®

GARANTIE LIMITÉE DE 1 AN CLARION

Pour le Canada et les États-Unis seulement

Ce produit Clarion vendu par marchand autorisé Clarion est garanti contre tous défauts de matériel et de mise en œuvre pour une durée de **un (1) an** à compter de la date de vente initiale quand l'achat **ET** l'installation ont été effectués chez un marchand autorisé Clarion.

Tous câblages, fils et autres accessoires Clarion achetés chez un marchand autorisé Clarion, sont garantis contre tous défauts de matériel et de mise en œuvre pour une durée de quatre-vingt-dix (90) jours de la date d'achat initiale.

TOUT ACHAT DE PRODUITS CLARION EFFECTUÉ CHEZ UN MARCHAND NON-AUTORISÉ CLARION SERA SOUMIS À DES RESTRICTIONS DE GRANANTIES DÉCRI CI-DESOUS.

Les conditions de cette garantie limitée et l'implication de la responsabilité de Clarion Corporation of America "Clarion" sous cette garantie limitée sont les suivantes:

1. **DANS LE CAS DE LA GARANTIE LIMITÉE DE UN (1) AN, UNE PREUVE D'ACHAT ET UNE PREUVE D'INSTALLATION SONT REQUISES. DES INFORMATIONS SUPPLÉMENTAIRES CONCERNANT LES CENTRES DES SERVICES AUTORISÉS PAR CLARION PEUVENT ÊTRE OBTENUES AUX ADRESSES À LA FIN DE CE DOCUMENT.**
2. Cette Garantie Limitée sera annulée si un dommage est survenu au bien lors d'un service effectué par personne ou entreprise qui n'est pas accrédité comme un Centre de Service et Garantie Clarion.
3. Cette Garantie Limitée n'est pas applicable à un aucun produit sujet à l'abus, négligence, accidentés, installation ou utilisation incorrects ou que les numéros de série ont été modifiés, obstrué ou effacé, ou qui a été raccordés, installés, ajustés ou réparés autrement indiqué par Clarion.
4. Cette Garantie Limitée ne couvre pas des interférences électrostatiques, électriques, ni les ajustements ou nettoyage de la tête de lecture (en cas de radio cassette) ou éléments laser, ni les frais reliés à la manutention pour le retrait ou la réinstallation
5. La responsabilité de Clarion sous cette Garantie Limitée est limitée uniquement à la réparation ou au remplacement du produit, qui est sujet uniquement à la discrétion de Clarion.
6. Ce produit doit est livrée dans son emballage d'origine ou équivalent. Le colis doit être entièrement assuré et tous frais de transport doivent être prépayés. Clarion n'assumera aucune responsabilité en cas de perte ou dommages survenue lors du transport.
7. **TOUS PRODUITS CLARION ACQUIS PAR UNE ENTREMISE AUTRE QU'UN MARCHAND AUTORISÉ PAR CLARION, INCLUANT TOUS ACHATS VIA UN MARCHAND VIRTUEL (ACHAT INTERNET) QUI N'EST PAS AUTORISÉ PAR CLARION, NE SONT PAS COUVERTS PAR LES GARANTIES LIMITÉES DE CLARION, ET CE, EN ACCORD AVEC LES LIMITATIONS DÉFINIES PAR LA LOI. DANS LE CAS OÙ LES LOIS APPLICABLES NE PERMETTENT PAS L'ÉLIMINATION DES GARANTIES SOUS CES CONDITIONS, LA PÉRIODE DE GARANTIE LIMITÉE QUI S'APPLIQUE AU PRODUIT SERA DE QUINZE (15) JOURS À PARTIR DE LA DATE D'ACHAT INITIALE.**
8. **AUCUNE GARANTIE IMPLICITE NE POURRA S'ÉTENDRE AU-DELÀ DE LA PÉRIODE DE GARANTIE DÉCRITE CI-DESSUS, ET CE, EN ACCORD AVEC LES LIMITES DÉFINIES PAR LA LOI. CLARION NE POURRA EN AUCUN CAS ÊTRE TENUE RESPONSABLE DES PERMETS OU DOMMAGES DIRECTS OU INDIRECTS DU À L'UTILISATION OU L'IMPOSSIBILITÉ DÀUTILISATON DU PRODUIT. PUISQUE CERTAINS ÉTATS NE PERMETTENT PAS DE LIMITER LA DURÉE DES GARANTIES IMPLICITES, OU DE LIMITER LA RESPONSABILITÉ EN CAS DE DOMMAGES DIRECTS OU INDIRECTS, CES LIMITATIONS OU EXCLUSIONS PEUVENT NE PAS S'APPLIQUER À VOUS.**
9. **CETTE GARANTIE LIMITÉE VOUS DONNE DES DROITS LÉGAUX PRÉCIS. VOUS POUVEZ POSSÉDER DES DROITS SUPPLÉMENTAIRES SELON VOTRE LIEU DE RÉSIDENCE.**
10. Les lois de l'état de la Californie contrôlent totalement cette garantie limitée, son interprétation et sa mise en exécution.
11. Si vous éprouvez des problèmes de performance du produit pendant la période de garantie, veuillez communiquer avec Clarion ou visitez notre site Web à l'adresse ci-dessous afin d'obtenir une résolution de tout problème relié aux produits Clarion.

Aux États-Unis:
Clarion Corporation of America
Attn:Customer Service Manager
6200 Gateway Drive Cypress, CA 90630
1-800-GO-CLARION
www.clarion.com

Au In Canada:
Clarion Canada Inc.
Centre de Service et Garantie
2239 Winston Park Drive Oakville,
Ontario L6H 5R1 (905)829-4600
www.clarion.com

English

281-0639-00 2007/9

Clarion®

CLARION 1 YEAR LIMITED WARRANTY

For USA and Canada only

This Clarion product purchased from an authorized Clarion dealer are warranted against all defects in materials and workmanship for a period of **one (1) year** from the date of original purchase, when purchased from **AND** installed by an authorized Clarion dealer.

All Clarion cables, wires and other accessories if purchased from an authorized Clarion dealer are warranted against all defects in materials and workmanship for ninety (90) days from the date of original purchase.

ALL PURCHASES OF CLARION PRODUCTS FROM NON-AUTHORIZED CLARION DEALERS ARE SUBJECT TO FURTHER WARRANTY RESTRICTIONS AS DESCRIBED BELOW.

The conditions of this Limited Warranty and the extent of responsibility of Clarion Corporation of America ("Clarion") under this Limited Warranty are as follows :

1. **PROOF OF DATE OF PURCHASE FROM AN AUTHORIZED CLARION DEALER WILL BE REQUIRED FOR WARRANTY SERVICE OF THIS PRODUCT. CENTERS MAY BE OBTAINED BY CONTACTING CLARION AT THE ADDRESS LISTED BELOW.**
2. This Limited Warranty will become void if service performed by anyone other than an approved Clarion Warranty Service Center results in damage to the product.
3. This Limited Warranty does not apply to any product which has been subject to misuse, neglect or accident, or which has had the serial number altered, defaced or removed, or which has been connected, installed, adjusted or repaired, other than in accordance with the instructions furnished by Clarion.
4. This Limited Warranty does not cover car static or other electrical interferences, tape head or laser pick-up cleaning or adjustments, or labor costs for the removal or reinstallation of the unit for repair.
5. The sole responsibility of Clarion under this Limited Warranty shall be limited to the repair of the product or replacement of the product, at the sole discretion of Clarion.
6. Product must be shipped in its original carton or equivalent carton, fully insured, with shipping charges prepaid. Clarion will not assume any responsibility for any loss or damage incurred in shipping.
7. **CLARION PRODUCTS PURCHASED FROM A SOURCE OTHER THAN AN AUTHORIZED CLARION DEALER, INCLUDING ANY AND ALL PURCHASES VIA THE INTERNET FROM A NON INTERNET AUTHORIZED CLARION DEALER, SHALL NOT BE COVERED BY ANY CLARION LIMITED WARRANTY TO THE EXTENT ALLOWED BY APPLICABLE LAW. IN THE EVENT AND TO THE EXTENT APPLICABLE LAW PROHIBITS ELIMINATION OF WARRANTIES UNDER THESE CIRCUMSTANCES, THE APPLICABLE LIMITED WARRANTY PERIOD SHALL BE DEEMED TO BE FIFTEEN (15) DAYS FROM THE DATE OF ORIGINAL PURCHASE.**
8. **ALL IMPLIED WARRANTIES EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW SHALL HAVE NO GREATER DURATION THAN THE WARRANTY PERIOD SET FORTH ABOVE. UNDER NO CIRCUMSTANCES SHALL CLARION BE LIABLE FOR ANY LOSS OR DAMAGE, DIRECT OR CONSEQUENTIAL, ARISING OUT OF THE USE OR INABILITY TO USE THE PRODUCT. BECAUSE SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS OR EXCLUSIONS OR LIMITATIONS OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU.**
9. **THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.**
10. The laws of the State of California shall govern and control this Limited Warranty, its interpretation and enforcement.
11. Should you have any difficulties with the performance of this product during the warranty period, please call Clarion or visit our web site for a listing of Authorized Warranty Service Centers in your area. You may also contact Clarion Customer Service at the address listed below for any service help you may need with Clarion products.

In USA:
Clarion Corporation of America
Attn:Customer Service Manager
6200 Gateway Drive
Cypress, CA 90630
1-800-GO-CLARION
www.clarion.com

In Canada:
Clarion Canada Inc.
Warranty Service Center
2239 Winston Park Drive
Oakville, Ontario L6H 5R1
(905) 829-4600
www.clarion.com